Phytochemical and pharmacological studies of Ficus benjamina L. Leaves

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Abstract:

β-amyrin acetate (1), β-amyrone (2), 3β-friedelanol (3), taraxerol (4), stigmasterol (5), β-amyрин (6), β-amyрин (7), oleanolic acid (8), stigmasterol 3-O-β-D-glucopyranoside (9), kaempferol (10), kaempferol 3-O-β-D-glucopyranoside (11), kaempferol 3-O-β-L-rhamnopyranosyl-(1→6)-β-D-glucopyranoside (12) and kaempferol 3-O-β-L-rhamnopyranosyl-(1→6)-β-D-galactopyranoside (13) were isolated for the first time from the methanolic extract of Ficus benjamina L. leaves. Their structures were elucidated by spectroscopic and chemical methods in addition to comparison with literature data and/or authentic samples. The methanolic extract of F. benjamina L. leaves was investigated for the anti-inflammatory, antinociceptive and antipyretic activities in animal models. It exhibited significant anti-inflammatory, antinociceptive and antipyretic activities.

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